Storm Data and Unusual Weather Phenomena

Location	Date	Time Local Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm

NEW MEXICO Southeast

None reported.

TEXAS West

TXZ047>048-051>053-057-062>063-070 Borden - Scurry - Martin - Howard – Mitchell-Van Horn And Salt Flat Basin - Midland - Glasscock - Reagan

	05	0500CST-1700CST			0	0			Heavy Snow

Rain fell across the Permian Basin during the early morning hours, but by daybreak had changed mostly to snow. Heavy snow fell over all but the southern Permian Basin during the middle and late morning hours and continued in the eastern parts of the region into the afternoon. More snow moved into the transpecos region during the afternoon, but by sunset only a few flurries remained.

Snow amounts ranged from traces in the western and southern Permian Basin, to 2-3 inches in the central Basin, to generally 6-8 inches in the eastern areas. Within the Midland area of responsibility the heaviest totals were in southeastern Scurry County where 10-11 inches of snow were reported at Inadale. In northwestern Howard County U.S. Highway 87 was closed for a few hours due to heavy snows and slick conditions.

Although officially only 2 inches of snow was recorded at the Midland NW S office this was the biggest snow on record for the month of April. The latest measurable snow on record was 1/2 inch on 4/7/83. The home-opening baseball game for the Midland Angels was snowed out, the first ever for a Texas League game.

Upton County									
5 S Midkiff	21	2324CST			0	0			Hail (1.75)
Reagan County									
35 NNW Big Lake	21	2345CST			0	0			Hail (1.75)
Mitchell County									
Lowe	21	2355CST			0	0			Hail (0.75)
Glasscock County									
15 SSW Garden City	22	0000CST			0	0			Hail (1.25)
Reagan County									
20 N Big Lake	22	0030CST			0	0			Hail (1.75)
Upton County									
5 N Mc Camey	22	0140CST			0	0		5K	Hail (2.00)

Two inch diameter hail fell at a ranch north of McCamey that damaged three vehicles including broken windshields.

Crane County									
4 S Crane	22	0145CST			0	0			Hail (1.00)
Reagan County									
20 N Big Lake	22	0155CST			0	0			Hail (1.75)
Upton County									
Rankin	22	0204CST			0	0			Hail (1.75)
Upton County									
2 N Mc Camey to Mc Camey	22	0225CST			0	0			Hail (0.75)
Upton County									
7 NE Rankin	22	0225CST			0	0			Hail (1.75)
Reagan County									
4 W Big Lake	22	0332CST			0	0			Hail (1.00)
Reagan County									
Big Lake	22	0400CST			0	0			Hail (0.75)

Synopsis for evening of April 21 and early morning of April 22: A cold front which had pushed south through the Permian Basin on the 20th began to return northward as a warm front during the evening of the 21st in response to a short-wave trough approaching West Texas in a moderately strong southwesterly mid-level flow. Shortly after 7pm CDT, a southward moving surface boundary collided with the warm front, which was now over Upton and Glasscock Counties. By 10pm, convection was initiated over Central Upton and southern Glasscock counties. Initially the cells moved with the mean flow along the warm frontal boundary, however by about midnight two cells in the northern half of Upton County developed supercellular characteristics and began to move to the right of the mean wind. The two supercells moved east into northern Reagan County producing hail between 1.75 and 2.00 inches. Meanwhile, a

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TEXAS West

third supercell developed in northeastern Glasscock County at approximately 1250 am and moved quickly into Sterling County. By 150 am, outflow boundary interactions reinitiated convection over Northern Upton county with additional convective development further southwest over Northern Pecos county. These cells quickly became outflow-dominated and merged together to form a mesoscale convective complex. This complex increased in areal coverage as it moved northeast over Upton and Reagan counties producing hail of up to 1.75 inches in diameter.